

The Examiner, more specifically, argued in the Office Action that the eight groups of claims are:

- I. Claims 1, 9, 17, which are drawn to a method, apparatus and program storage device for resource discovery in a cluster configuration;
- II. Claims 2, 10, 18, which are drawn to a method, apparatus and program storage device for object oriented database of resources;
- III. Claims 3, 11, 19, which are drawn to a method, apparatus and program storage device for an optimization solver with graphical representation and translation;
- IV. Claims 4, 12, 20, which are drawn to a method, apparatus and program storage device for preprocessing events for optimizations and decisions;
- V. Claims 5 and 13, which are drawn to a method, apparatus for post processing solutions with dependencies;
- VI. Claims 6 and 14, which are drawn to a method and apparatus for frame based reasoning;
- VII. Claims 7 and 15, which are drawn to a method and apparatus task management with a scheduler; and
- VIII. Claims 8 and 16, which are drawn to a method and apparatus for distributed simulation.

Applicants herein elect the Group I, Claims 1, 9 and 17 for prosecution of this application.